

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Shuber

SERIAL NO.: Not yet assigned

GROUP NO.: Not yet assigned

FILING DATE: Herewith

EXAMINER: Not yet assigned

TITLE: Methods for Detecting, Grading or Monitoring an *H. pylori* Infection



Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

**SUBMISSION OF PAPER COPY AND/OR COMPUTER READABLE COPY
OF SEQUENCE LISTING FOR INVENTION
CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE**

Sir:

1. ☐ This replies to the Patent Office Letter dated

Note: If these papers are filed before the office letter issues adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.

- ☐ A copy of the Patent Office Letter is enclosed.

2. Submitted herewith is/are
(check each item as applicable)

- A. ☒ a paper copy of the Sequence Listing for this application with each sequence assigned a separate identifier; and
- B. ☐ a CD of the Sequence Listing for this application with each sequence assigned a separate identifier; and
- C. ☒ a copy, in computer readable form, of the Sequence Listing for this application.

STATEMENT

3. I hereby state that:

(complete applicable items A, B and/or C)

- A. ☒ the content of the paper and computer readable copy submitted herewith are the same; and
- B. ☐ the content of the CD and computer readable copy submitted herewith are the same; and
- C. ☐ the content of the computer readable copy submitted herewith is the same as the Sequence Listing appearing on pages ___ to ___ of the original specification as filed; and
- D. ☒ this submission includes no new matter.

Respectfully submitted,



Thomas C. Meyers
Attorney for Applicant(s)
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

Date: January 5, 2001
Reg. No. 36,989

Tel. No.: (617) 248-7013
Fax No.: (617) 248-7100

SEQUENCE LISTING

<110> Shuber, Anthony

<120> Methods for Detecting, Grading or Monitoring an H. pylori Infection

<130> EXT-048

<160> 11

<170> PatentIn version 3.0

<210> 1

<211> 17

<212> DNA

<213> Artificial sequence

<220>

<223> H. pylori capture probe

<400> 1
taaaactcaa aggaata 17

<210> 2

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> H. pylori forward primer

<400> 2
cgttagctgc attactggag a 21

<210> 3

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> H. pylori reverse primer 1

<400> 3
taggggtaaa atccgtagag 20

<210> 4

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> H. pylori reverse primer 2

<400> 4

T050T04059460

caagcgttac tcggaatca 19

<210> 5
<211> 19
<212> DNA
<213> Artificial sequence

<220>
<223> H. pylori reverse primer 3

<400> 5
cgggtgagta acgcatagg 19

<210> 6
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> H. pylori reverse primer 4

<400> 6
tcatttcctt gtttcagcaa 20

<210> 7
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> H. pylori reverse primer 5

<400> 7
cgccgatttt agagacgatt 20

<210> 8
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> H. pylori reverse primer 6

<400> 8
ggcgatcaca cgatggaa 18

<210> 9
<211> 37
<212> DNA
<213> Artificial sequence

<220>

<223> APC capture probe

<400> 9

cagatagccc tggacaaacc atgccaccaa gcagaag

37

<210> 10

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> APC forward primer

<400> 10

cacctccacc acctcctcaa

20

<210> 11

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> APC reverse primer

<400> 11

gtatcagcat ctggaagaa

19

045004-01304
F050T0-4053450

01-08-01

A/Bax Sequence

Express Mail Mailing Label No. EL302644681US

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. EXT-048

First Named Inventor Shuber

Title Methods for Detecting, Grading or Monitoring an
H. pylori Infection

APPLICATION ELEMENTS

ADDRESS TO: **Box Patent Application**
Assistant Commissioner for Patents
Washington, D.C. 20231

ACCOMPANYING APPLICATION PARTS

1. ☐ Fee Transmittal Form
2. ☐ Small Entity Status
☐ Applicant claims small entity status
☐ Status established in prior application and is still proper and desired
3. ☒ Specification and Drawings [Total Pages 26]
 - Written Description - (17 pages)
 - Claims - (4 pages)
 - Abstract - (1 page)
 - Sheets of Drawings - (4 sheets)
☐ Formal
☒ Informal
4. ☐ Oath or Declaration [Total Pages]
 a. ☐ Newly executed (original)
 b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
5. ☐ Incorporation by Reference (usable if Box 3b is checked)
 The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☒ Application Data Sheet
7. ☒ Nucleotide and/or Amino Acid Sequence Submission
☒ Computer Readable Copy
☒ Paper Copy (identical to computer copy)
☐ CD (identical to computer copy)
☒ Statement verifying identity of above copies

8. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
☐ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449
☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
☐ Drawings [Total Sheets]
☐ Letter to Official Draftsperson Including Drawings [Total Pages]
12. ☒ Return Receipt Postcard
13. ☐ Certified Copy of Priority Document(s)
14. ☐ Deletion of Inventor(s)
 Signed statement attached deleting inventor(s) named in the prior application.
15. ☐ CD in duplicate for large table or computer program.
16. ☐ Other:

17. ☐ If a CONTINUING APPLICATION, amend the specification by inserting on page 1, before the first line, the sentence:
 --This is a ☐ continuation ☐ divisional ☐ continuation-in-part of prior application Serial No. / , filed on , the entire disclosure of which is incorporated by reference herein.--

Priority to the above application(s) is claimed under 35 U.S.C. 120.

Prior application information: Examiner: . Group/Art Unit: .

18. ☐ Priority - 35 U.S.C. 119

- ☐ Priority of application Serial No. filed on in is claimed under 35 U.S.C. 119.
☐ The certified copy has been filed in prior U.S. application Serial No. / on .
☐ The certified copy will follow.

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Date: January 5, 2001
 Reg. No. 36,989
 Tel. No.: (617) 248-7013
 Fax No.: (617) 248-7100

Respectfully submitted,

Thomas C. Meyers
 Thomas C. Meyers
 Attorney for Applicant(s)
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110

2003055